

WHAT IS CLAIMED IS:

1. A cleaning solution, comprising a mixture of a first compound, a second compound and water.

2. The cleaning solution of claim 1, wherein the first compound is selected from
5 the following group consisting of oxalic acid, malonic acid, tartaric acid, propene-1,2,3-tricarboxylic acid, sulfosuccinic acid, oxalacetic acid, methylenesuccinic acid, succinic acid, citramalic acid and malic acid.

3. The cleaning solution of claim 1, wherein the first compound has a weight percentage of about 1% - 20%, preferably about 2% -15% and most preferably about
10 3% -8%.

4. The cleaning solution of claim 1, wherein the second compound is selected from the following group consisting of citric acid, glyoxylic acid, lactic acid, mercaptosuccinic acid, fumaric acid, acetylenedicarboxylic acid and methacrylic acid.

5. The cleaning solution of claim 1, wherein the second compound has a weight
15 percentage of about 0.01% - 20%, preferably about 0.1% -10% and most preferably about 0.15% -1.0%.

6. The cleaning solution of claim 1, further comprising a water-soluble solvent, wherein the water-soluble solvent is selected from the following group consisting of γ -butyrolactone, N-methyl-2-pyrrolidone, propylene glycol methyl ether (PGME),
20 dimethylsulfoxide (DMSO), teramethylenesulfone, 1,3-dimethyl-2-imidazolidinone, 1,3-diethyl-imidazolidinone, ethylene glycol, ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, N,N-dimethylformamide and N,N-dimethylacetamide.

7. The cleaning solution of claim 6, wherein the water-soluble solvent has a weight percentage of about 10% - 90%, preferably about 20% - 80% and most preferably about 30% -70%.

8. The cleaning solution of claim 1, further comprising a surfactant, wherein the
5 surfactant comprises a nonyl phenol polyethylene glycol ether.

9. The solution of claim 1, further comprising a suppressor, wherein the suppressor is selected from the following group consisting of 1,2,3-benzotriazole, benzoinoxime, salicylasldoxime, bis [4-amino-5-hydroxy-1,2,3-triazol-3-yl] methane and bis [4-amino-5-hydroxy-1,2,4-triazol-3-yl] butane.